APAX-5017H **APAX-5028**

12-ch High Speed Analog Input Module

8-ch Analog Output Module



APAX-5017H

Specifications

General

- Certification CE, FCC class A
- Dimensions (W x H x D) 30 x 139 x 100 mm
- Enclosure ABS+PC
- Weight 175 g
- 3.5 W @ 24 V_{DC} (typical) Power Consumption

Analog Input

- Channels
- 12 Input Impedance $2 M\Omega$ (Voltage), 120Ω (Current)
- Input Type V. mV. mA
- Input Range
- 0 ~ 500 mV, ±10 V, 0 ~ 10 V, 0 ~ 20 mA, 4 ~ 20 mA
- Configure Different Range for Each Channel
- Resolution 12-bit with accuracy ±0.1% or better of Full Scale Range (Voltage), ±0.2% or better of Full Scale Range (Current)

1,000 sample/second (per channel)

Sampling Rate

* Support Integration function to eliminate field site noise at sample rate: 100 sample/ second

- Span Drift ±25 ppm/°C
- Zero Drift ±6 µV/°C
- Wire Burn-out Detection Yes (4~20 mA only)

Protection

- Over Voltage Protection
- 2,500 V_{DC} Isolation Between Channels and Backplane

Note: The voltage between any two pins must not exceed 15 V

Environment

- Operating Temperature -10 ~ 60°C (when mounted vertically)
- Storage Temperature -40 ~ 70°C
- Relative Humidity $5 \sim 95\%$ (non-condensing)

Ordering Information

- APAX-5017H
- 12-ch High Speed Analog Input Module

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Specifications

General

- Certification CE, FCC class A
- Dimensions (W x H x D) 30 x 139 x 100 mm
- Enclosure ABS+PC
- Weight 175 g
- 3.5 W @ 24 V_{DC} (typical) Power Consumption

Analog Output

- Channels
 - Output Type
 - 8 V. mA **Output Range** ±2.5 V, ±5 V, ±10 V, 0 ~ 2.5 V, 0 ~ 5 V, 0 ~ 10 V,
 - 0 ~ 20 mA. 4 ~ 20 mA

Configure Different Range for Each Channel

Resolution 14-bit with accuracy ±0.1% or better of Full Scale Range

about 500 µs

- Settling time
 - Slew Rate 0.7 V_{DC}/µs (per channel) ±60 ppm/°C
 - Span Drift Zero Drift
 - ±275 mV/°C (Voltage)
 - ±250 mV/°C (Current) $15 V_{DC}$
 - **Drive Voltage** (Current Mode)
 - Load (Current Mode) 0~500Ω

Protection

- Short Circuit Protection
- 2,500 V_{DC} Isolation Between Channels and Backplane

Environment

- Operating Temperature -10 ~ 60°C (when mounted vertically)
- Storage Temperature -40 ~ 70°C
- Relative Humidity 5 ~ 95% (non-condensing)

Ordering Information

- APAX-5028
- 8-ch Analog Output Module

